

## CALCIUM SILICATE BOARD

### General information

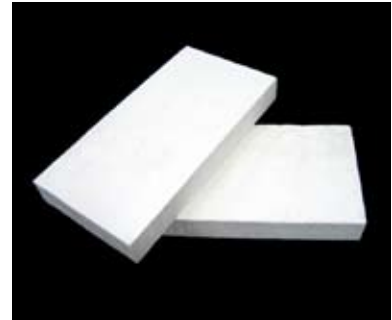
CMAx calcium silicate products are classified under temperature between 650°C to 1100°C, it's an asbestos-free thermal insulation product.

### Features

- ◆ Low thermal conductivity
- ◆ High strength
- ◆ High thermal insulation value
- ◆ High strength

### Application

- ◆ Reheating furnace
- ◆ Rotary kiln
- ◆ Tunnel kiln
- ◆ Annealing furnace
- ◆ Glass tank
- ◆ Aluminum melting and holding furnace
- ◆ Transfer ladle
- ◆ Shuttle kiln



### Standard Type

Physical Properties		650°C		1000°C				1100°C
Bulk Density (±10%)	Kg/m <sup>3</sup>	170	220	170	200	230	250	250
Modulu of Rupture	Mpa	≥0.25	≥0.3	≥0.25	≥0.35	≥0.5	≥0.55	≥0.5
Thermal Conductivity	W/m.k	≤0.052	≤0.056	≤0.048	≤0.05	≤0.056	≤0.058	≤0.058
Clasification Temperature	°C	650	650	1000	1000	1000	1000	1100
Linear Shrinkage	%	≤2 (650°C×16h)		≤2 (1000°C×16h)				≤2 (1050°C×3h)

Size: Length: 400-1220mm(±4mm), Width: 250-1220mm(±3mm), Thickness:25-120mm (+3,-1.5mm)

### High Pure and High Strength Type

Physical Properties		High Pure Type		High Strength Type	
		G	C		
Bulk Density	Kg/m <sup>3</sup>	800±10%	800±10%	800-1000 ±10%	
Modulu of Rupture	Mpa	≥7	≥7	≥7	
Thermal Conductivity	W/m.k	≤0.14	≤0.16	≤0.13	
Clasification Temperture	°C	1000	1000	1000	
Working Temperture	°C	850	850	850	
Linear Shrinkage	Length, Width	%	0.4 (850°C×12h)	0.25 (850°C×12h)	1.5 (1000°C×3h)
	Thickness	%	1.5 (850°C×12h)	1.5 (850°C×12h)	1.5 (1000°C×3h)

High pure type: size: Length: 1000-1220mm(±4mm), Width: 500-1220mm(±4mm),

Thickness:25-100mm(+2,-1.5mm)

Special size is available as per customer's request. G board with glass fiber, C board with carbon fiber.

High strength type: size: Length: 2300-2500mm(±5mm), Width: 1220mm(±4mm), Thickness:25-50mm(+3,-1.5mm)

## CALCIUM SILICATE PIPE

Physical Properties		650°C
Bulk Density	Kg/m <sup>3</sup>	220±10%
Modulus of Rupture	Mpa	≥0.3
Thermal Conductivity	W/m.k	≤0.062
Clasification Temperature	°C	650
Linear Shrinkage	%	≤2



Size: Length: 600mm(±4mm), I.D.: 25mm-3600mm (+1-5mm), Thickness:40-100mm(+3,-1.5mm)

Special size is available as per customer's request.